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TIMEPA 

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Smart2B: The development of Smart Services to automatically assess SRI

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1. Emerging information communication technologies and internet of things technologies provide new opportunities for smart building upgrades by digitalizing the existing building stock:
 - **Energy efficiency increase up to 40%;**
 - **Flexibility potential up to 50%;**
 - **Smartness upgrades up to 93%**
2. Demand response can untap local flexibility potentials and thus help the EU to achieve around 40% of its energy savings and GHG emission targets for 2020
3. Creation & promotion of Citizen Energy Communities (CECs): Empowerment of consumers to play a more active role in the energy transition



Devices and building interfaces

Allow for seamless connection of complex and heterogeneous building energy systems comprising not-yet-connected devices, smart appliances and upgraded legacy appliances as well as IoT interfaces and gateways



Management & transversal services

AI and machine learning algorithms are used to analyze and prepare the building and user data collected from the Smart2B devices, consolidating and optimizing the various Smart2B objectives through newly developed, modular APIs



Platform & APIs

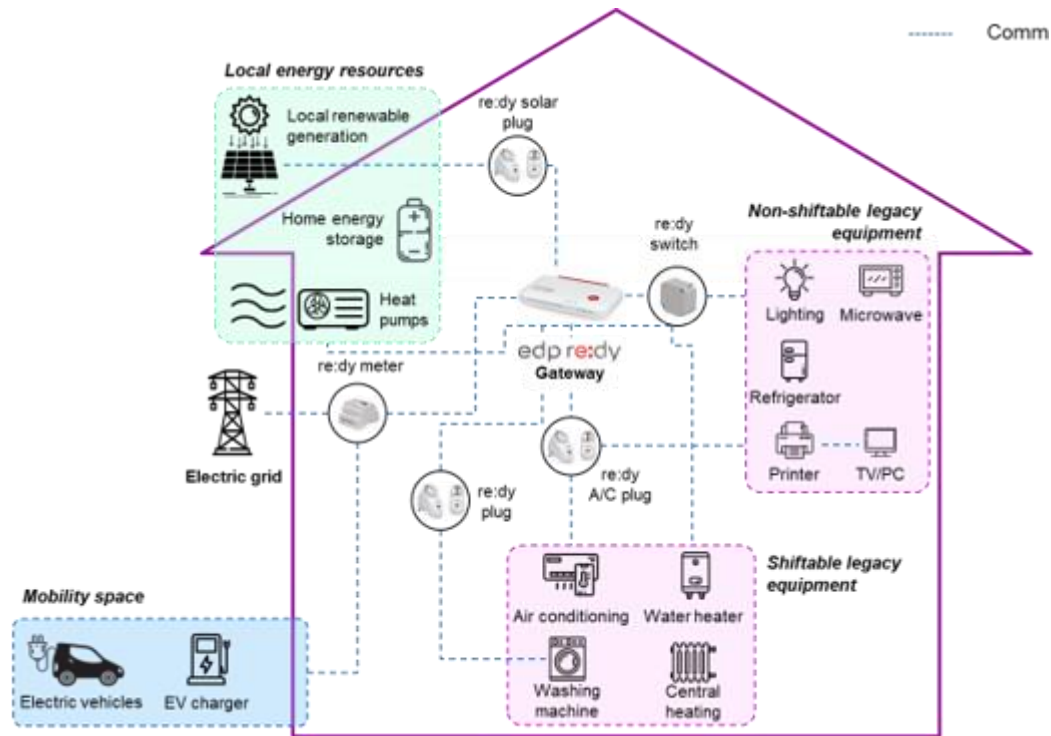
A community-enabled smart readiness platform that serves as the middle layer of the Smart2B system that enables seamless integration, knowledge extraction and control



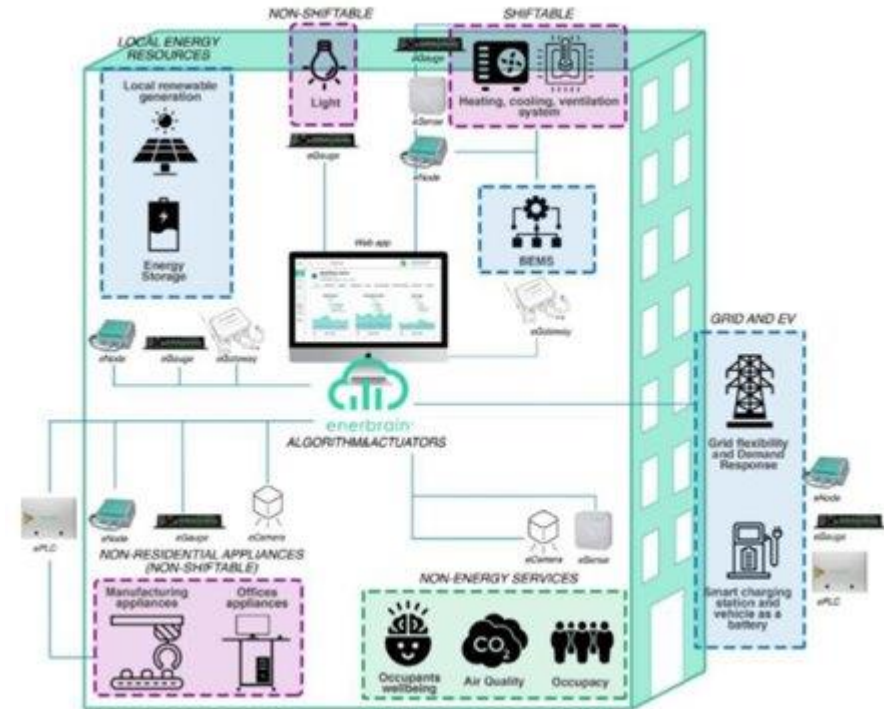
User interaction, client engagement & social innovation

Involves and engages the multiple stakeholders (occupants, building managers, communities, system operators) through mobile apps and web-based applications as well as gamification





Residential Buildings



Non-Residential Buildings

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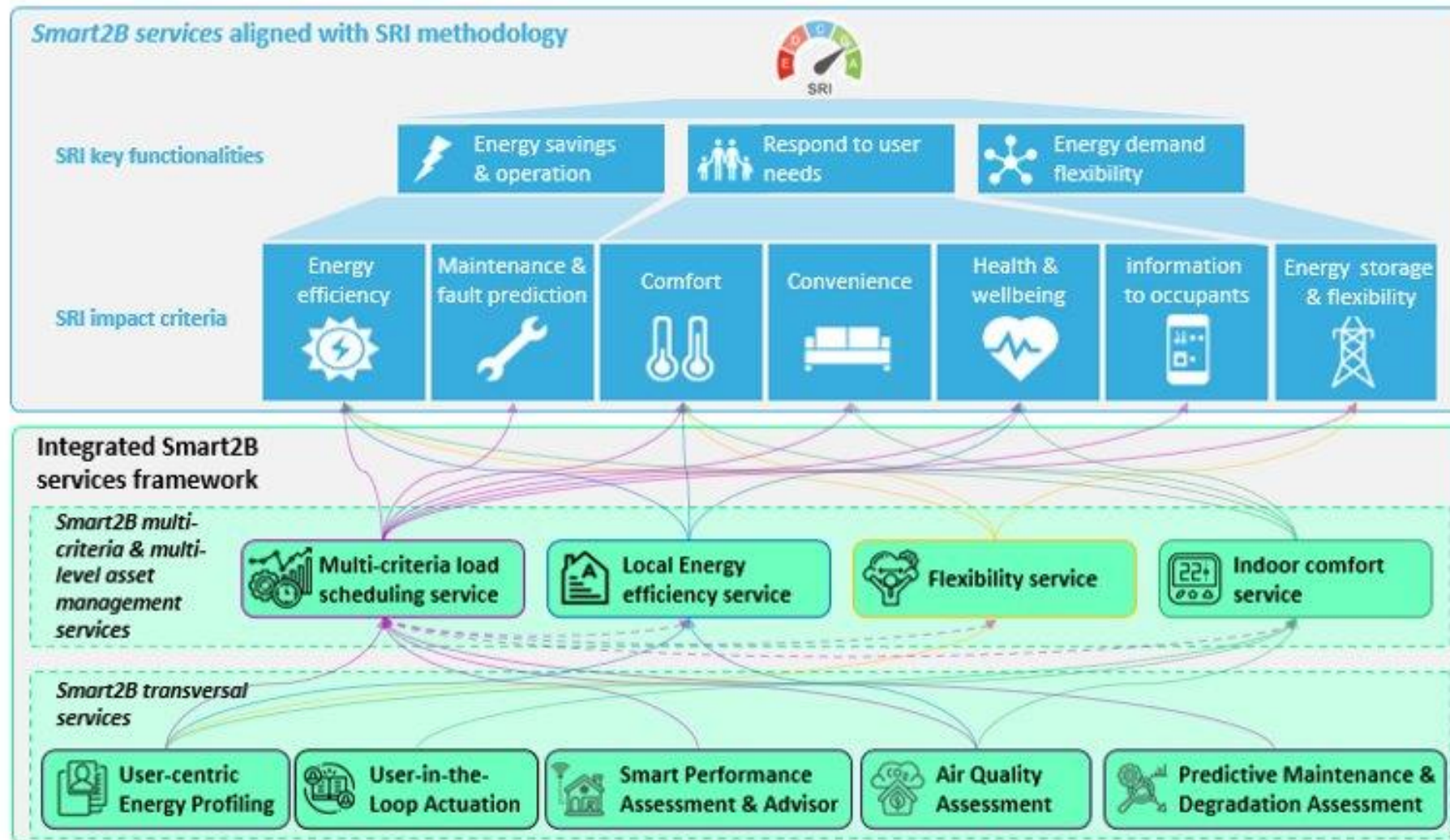
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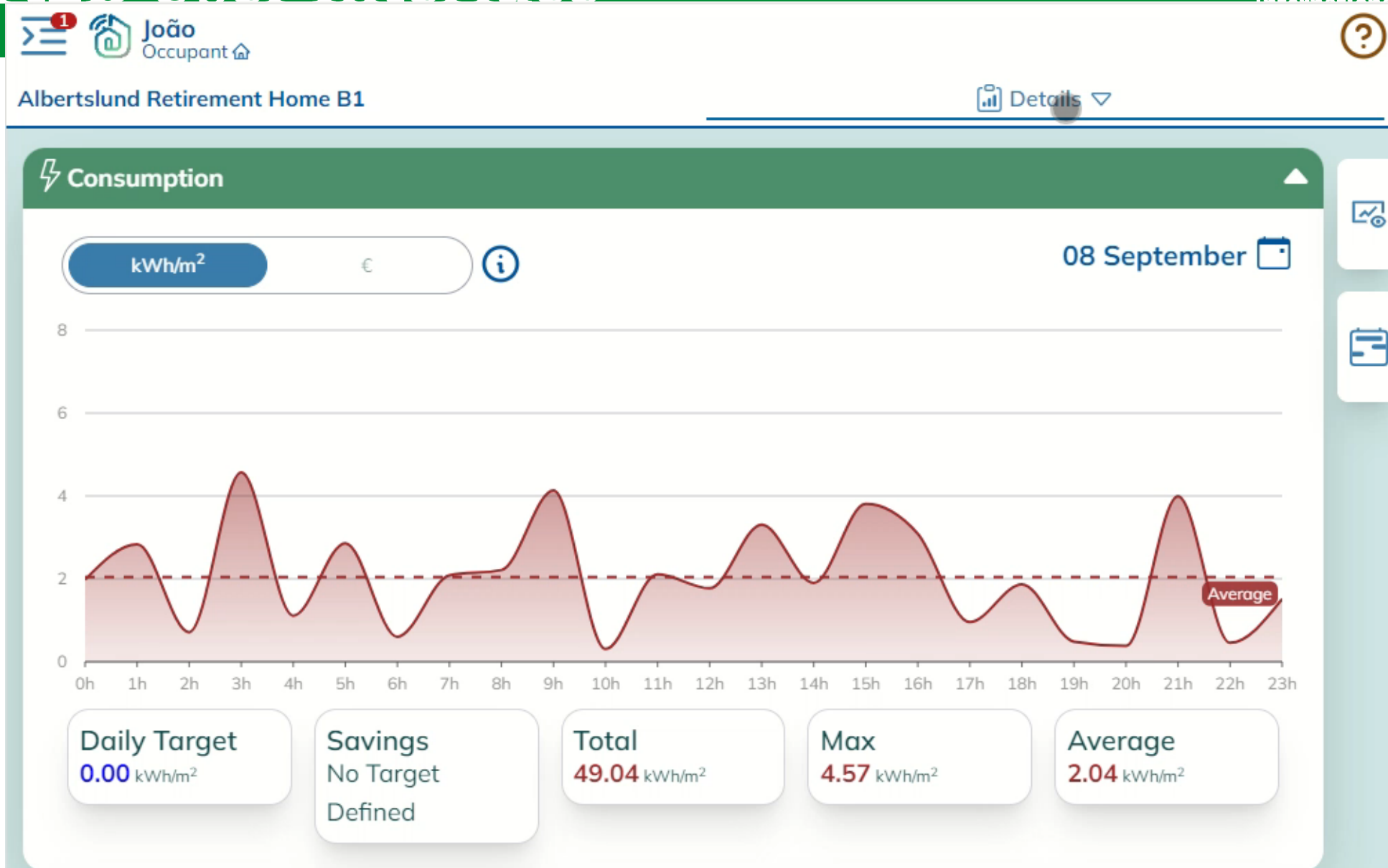
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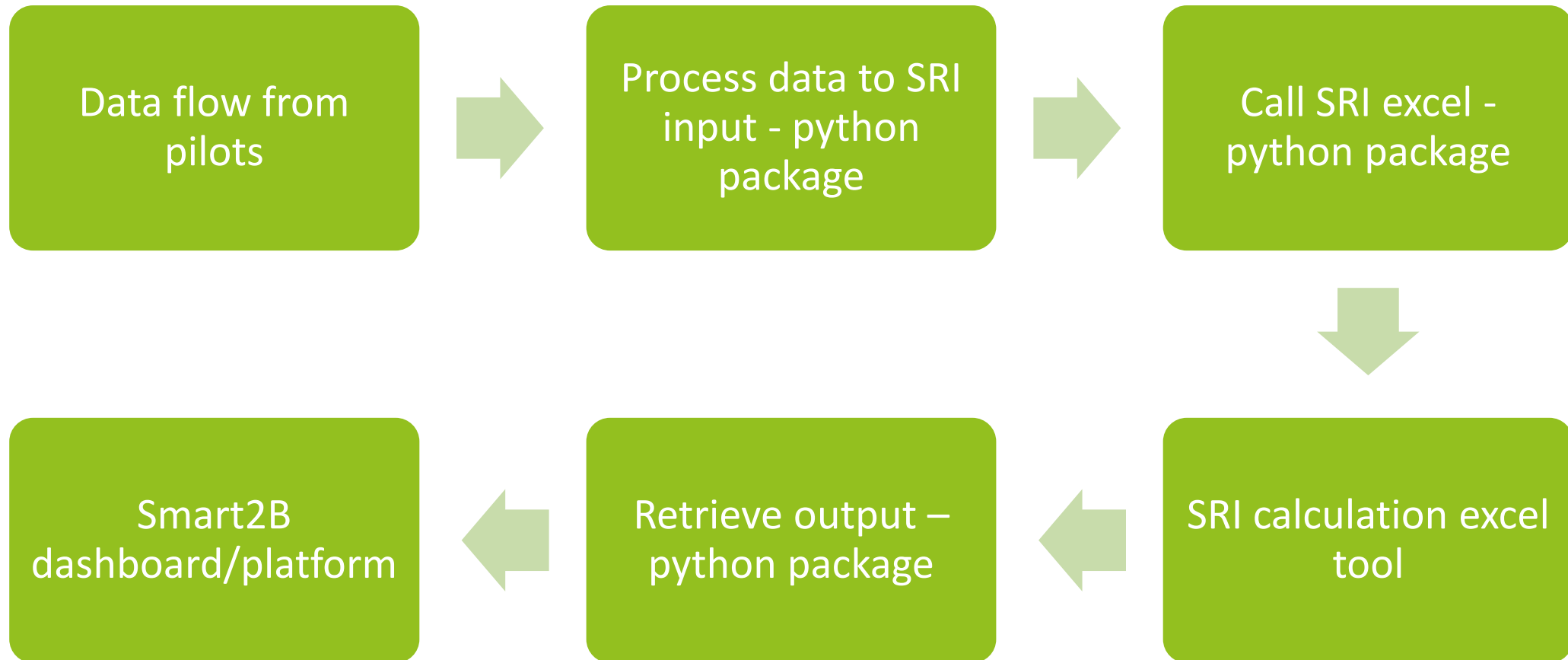


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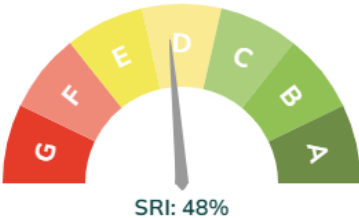




Smart Advisor

Smart Advisor | SRI details

Welcome to Smart2B's Smart Advisor. Track your building's smartness level and get suggestions to improve it! Check the gauge and table below for details.



Suggested Actions	Expected Impacts
Individual room control with communication between controllers and to BACS	XX% of energy savings and XX% comfort improvement
Action 2	Impact 2
Action 3	Impact 3
Action 4	Impact 4



**If you would like more information,
please contact us at**

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Thanks for your attention!